

**STORING DATA TO MAGNETIC TAPE BOTH TO ONE SET OF TRACKS AND IN
THE SAME OPERATION REWRITTEN TO ANOTHER SET OF TRACKS**

ABSTRACT

A recording system of a magnetic tape drive is operated to cause one separate set of write
5 heads to write data discontinuously to magnetic tape as received, and to save the data, and,
during the same operation, to cause another separate set of write heads to rewrite data to
magnetic tape in a continuous arrangement. The writing may be in parallel and simultaneous.
Thus, during the same operation, and at the same time, the separate sets of the plurality of write
heads, temporarily write the received data to magnetic tape so that the sender can erase its copy,
10 and rewrite the saved data to the magnetic tape in a permanent arrangement, without waiting to
complete first writing received data, to complete subsequently rewriting the data, and repeating.